Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/12/2015 01:34 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124816	-1	1.40	124645	1.31
Blue	F	SSC	125000	124391	-1	2.71	125276	2.42
Blue	E	FITC	17374	16660	-5	2.40	936	8.68
Blue	D	PE	22653	22039	-3	1.99	995	7.98
Blue	B	PerCP-Cy5-5	64987	63644	-3	2.69	1681	12.90
Blue	A	PE-Cy7	74081	72815	-2	3.76	953	24.57
Red	C	APC	61430	61234	-1	2.64	3466	7.97
Red	A	APC-Cy7	88289	87977	-1	2.65	1739	7.80
Violet	B	V450	12535	12055	-4	3.08	745	7.40
Violet	A	V500	47468	46312	-3	2.68	2616	5.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20057	5.38	593	14	N/A	N/A	Pass
Blue	F	SSC	62126	1.69	504	15	N/A	N/A	Pass
Blue	E	FITC	103	33.78	518	9	0.0265	69	Pass
Blue	D	PE	206	24.40	512	11	0.1794	150	Pass
Blue	B	PerCP-Cy5-5	206	37.53	593	13	0.0115	0	Pass
Blue	A	PE-Cy7	71	97.04	652	15	0.0152	10	Pass
Red	C	APC	322	25.65	576	6	0.0222	6	Pass
Red	A	APC-Cy7	110	37.44	553	7	0.0050	843	Pass
Violet	B	V450	78	38.31	452	3	0.0544	1641	Pass
Violet	A	V500	171	18.34	480	2	0.0167	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.07	-30.82	0.89
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	13.89	13.07 - 19.61	N/A	N/A	31.41	31.62	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14157

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments